

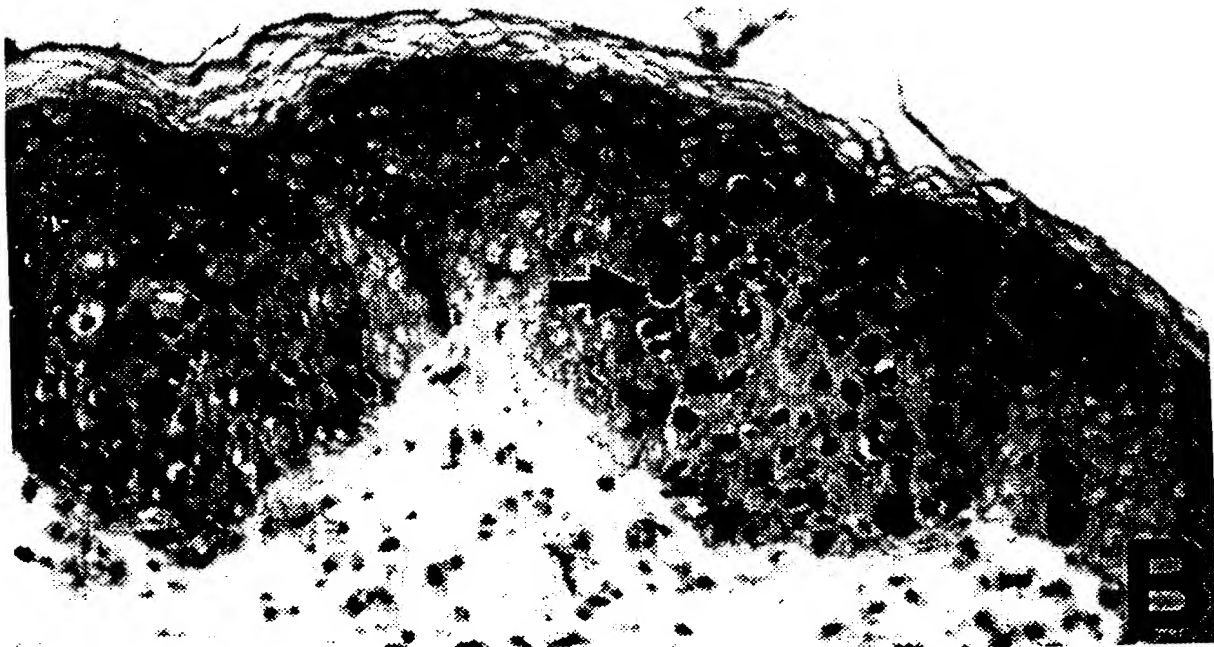
1/28

FIGURE 1A



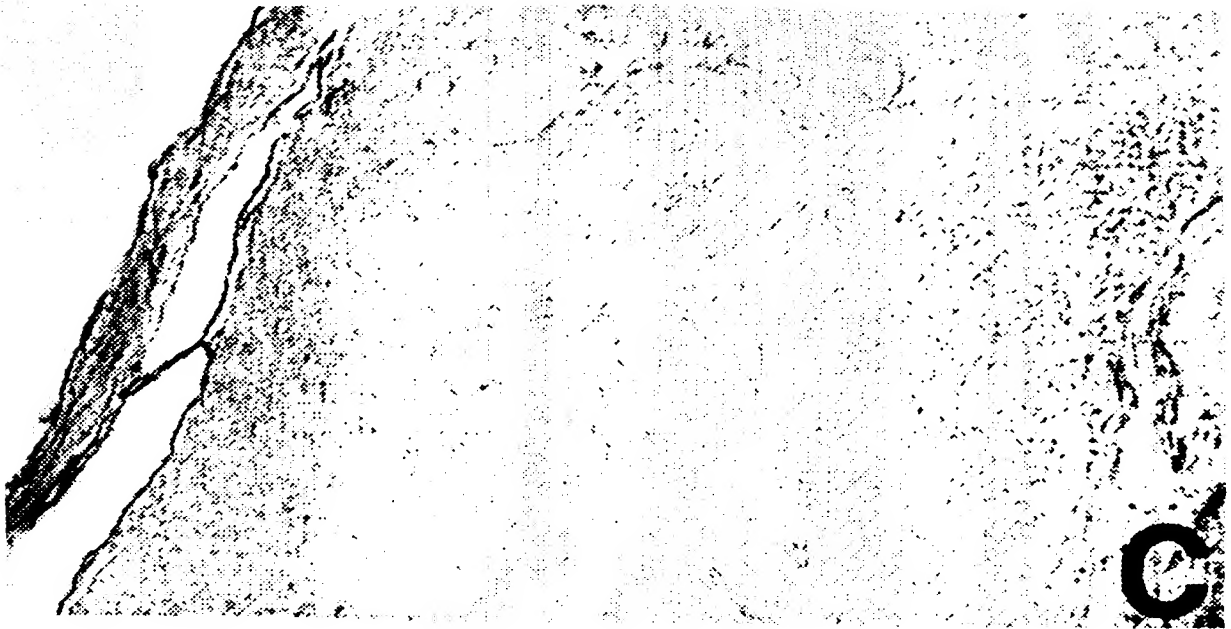
2/28

FIGURE 1B



3/28

FIGURE 1C



4/28

FIGURE 2A



5/28

FIGURE 2B



6/28

FIGURE 2C



7/28

FIGURE 2D



8/28

FIGURE 3A



9/28

FIGURE 3B



10/28

FIGURE 3C



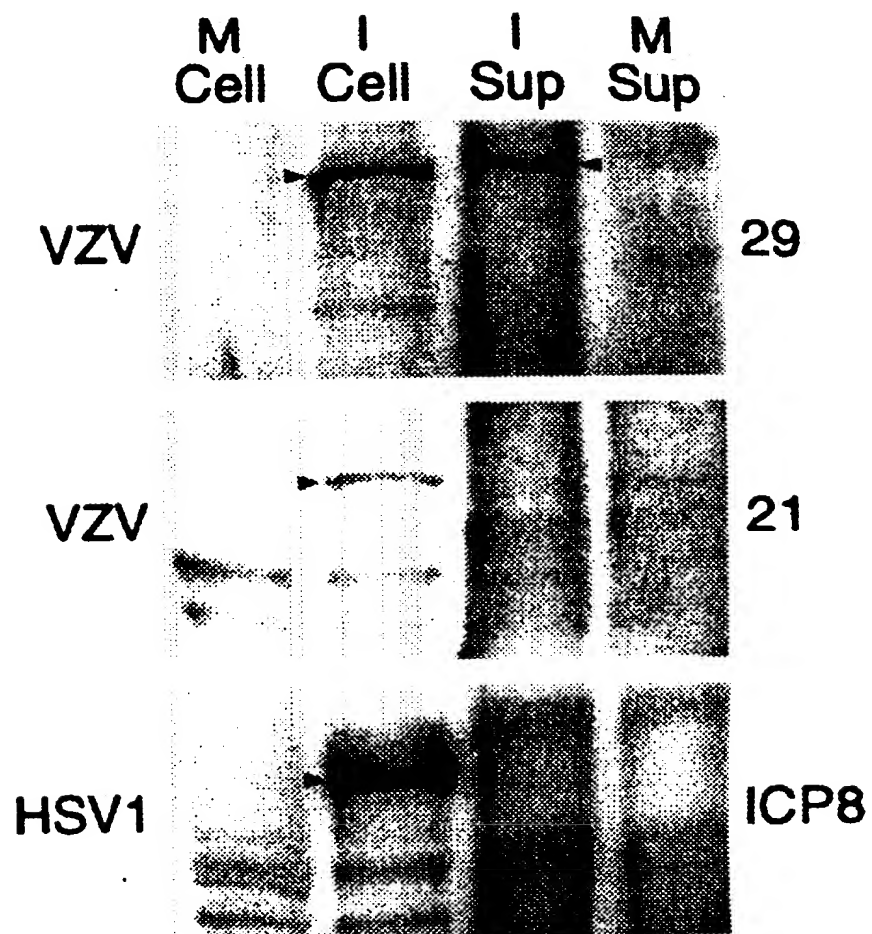
11/28

FIGURE 3D



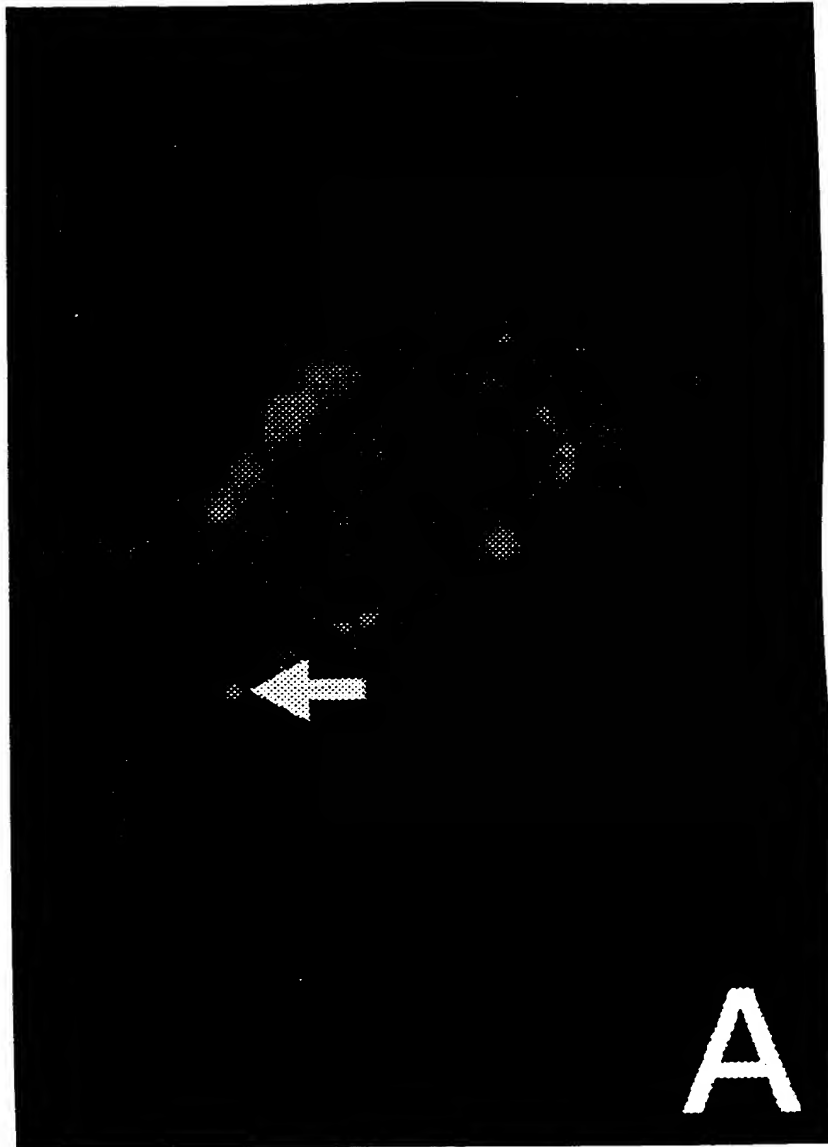
12/28

FIGURE 4



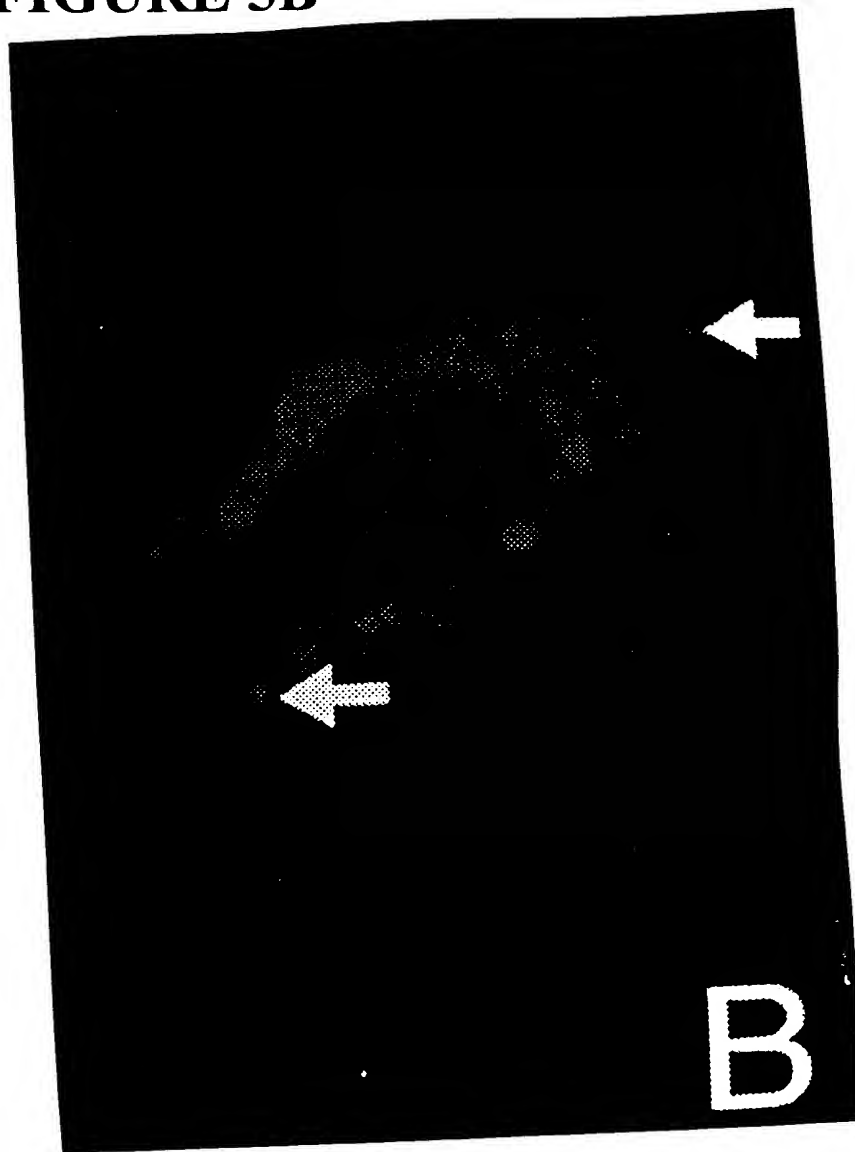
13/28

FIGURE 5A



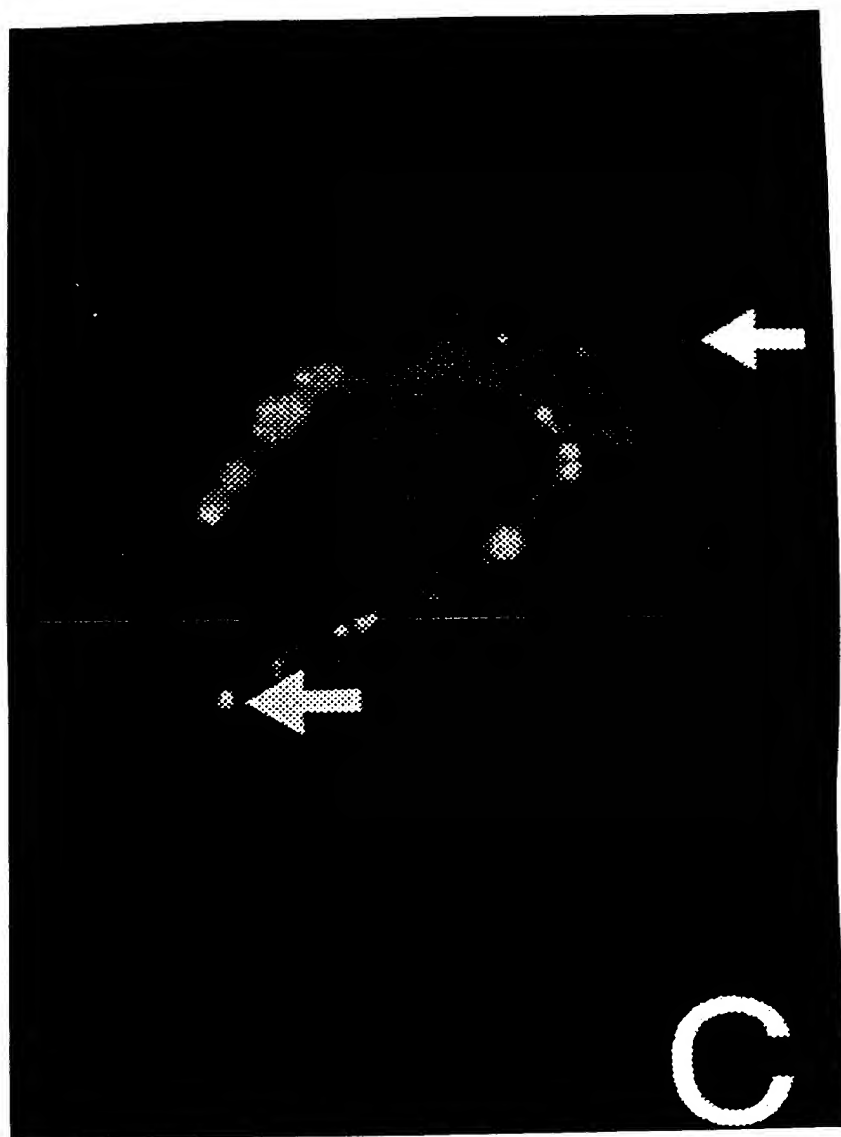
14/28

FIGURE 5B



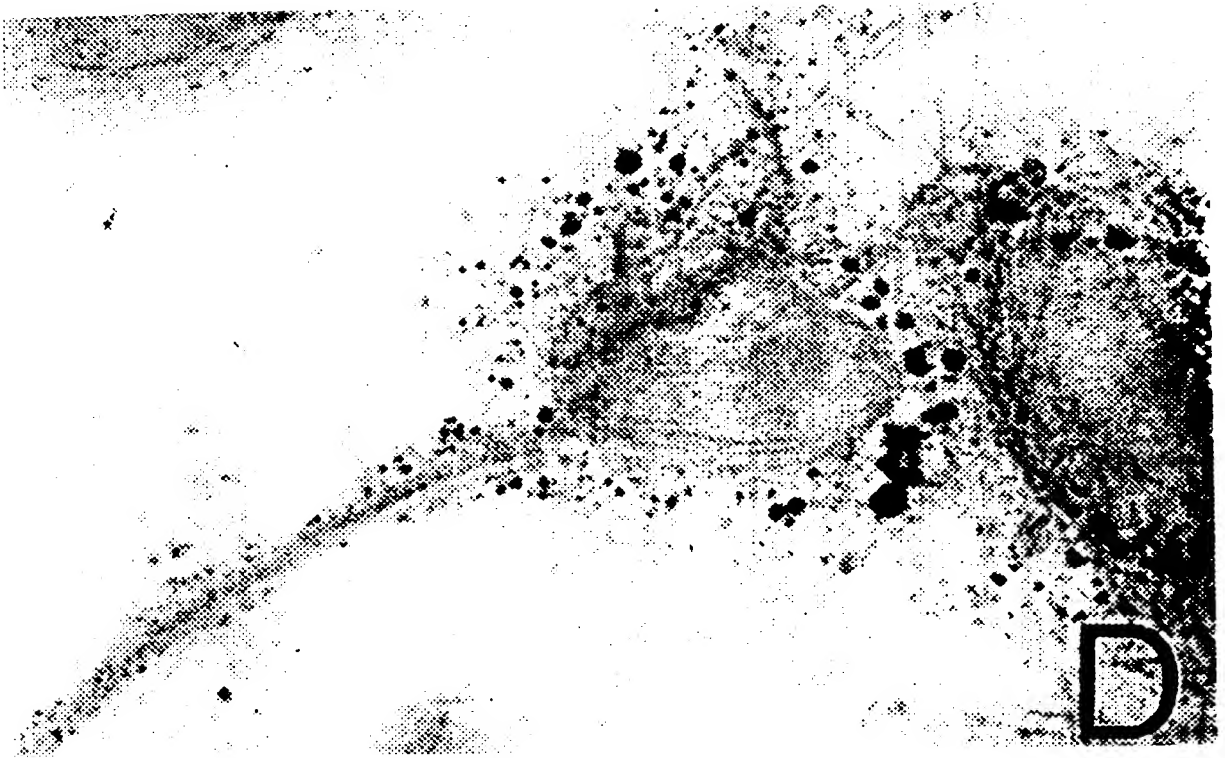
15/28

FIGURE 5C



16/28

FIGURE 5D



17/28

FIGURE 5E

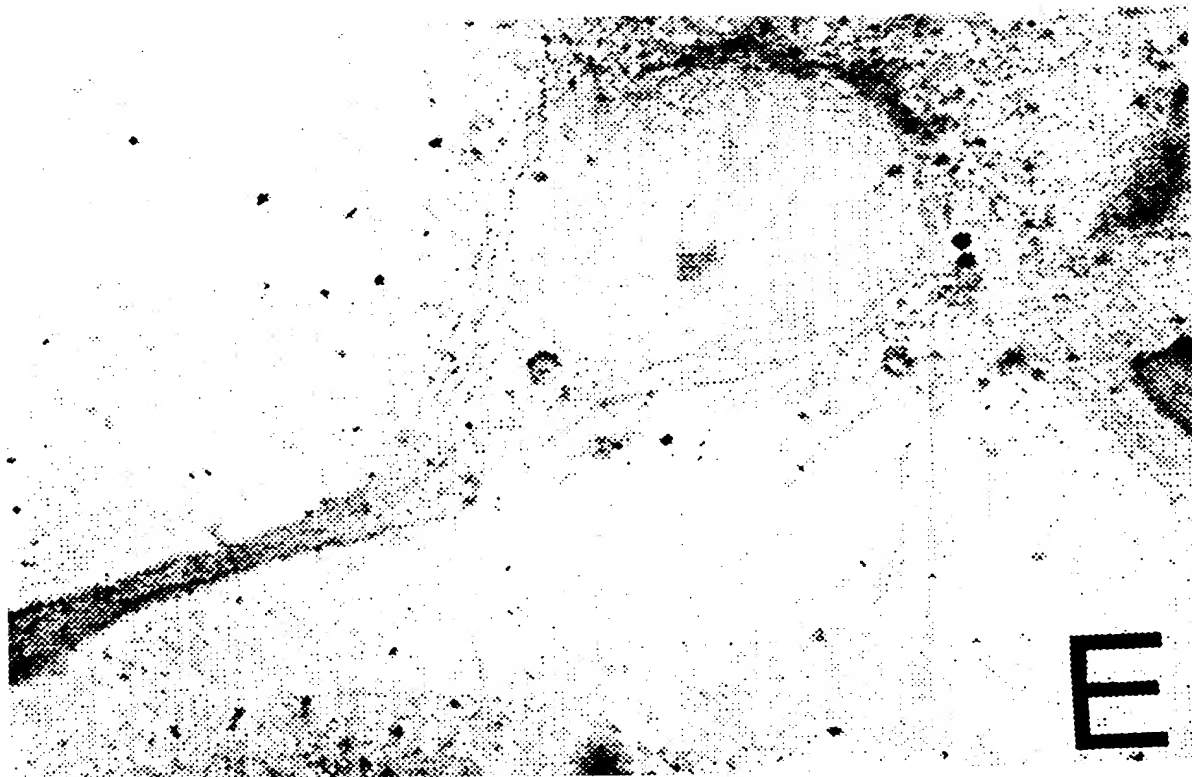


FIGURE 6-1

5'	ATG	GAA	AAT	ACT	CAG	AAG	ACT	GTG	ACA	GTG	CCC	ACG	36	GGG	CCC	CTG	45	GGT	TAC	54	GTT
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	M	E	N	T	Q	K	T	V	T	V	P	T		G	P	L		G	Y	V	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	TAT	GCG	TGC	CGG	GTT	GAA	GAT	TTG	GAT	CTG	GAG	GAA	90	ATT	TCA	TTT	99	TTG	GCC	108	GCT
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Y	A	C	R	V	E	D	L	D	L	E	E		I	S	F		L	A	A	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	CGT	AGC	ACG	GAC	TCT	GAT	TTG	GCT	TTA	TTA	CCT	TTG	144	ATG	CGT	AAT	153	TTG	ACC	162	GTG
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	R	S	T	D	S	D	L	A	L	L	P	L		M	R	N		L	T	V	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	GAA	AAA	ACT	TTT	ACA	TCC	AGC	CTG	GCG	GTG	GTT	TCT	198	GGA	GCA	CGC	207	ACT	ACG	216	GGT
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	E	K	T	F	T	S	S	L	A	V	V	S		G	A	R		T	T	G	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	CTT	GCC	GGA	GCT	GGT	ATT	ACC	TTA	AAA	CTC	ACT	ACC	252	AGT	CAT	TTC	261	TAT	CCA	270	TCT
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	L	A	G	A	G	I	T	L	K	L	T	T		S	H	F		Y	P	S	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	GTC	TTT	GTC	TTT	CAC	GGA	GGC	AAA	CAC	GTT	TTA	CCC	306	AGC	TCC	GCG	315	GCC	CCA	324	AAT
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	V	F	V	F	H	G	G	K	H	V	L	P		S	S	A		A	P	N	

FIGURE 6-2

CTC	ACA	CGC	GGC	TGT	AAC	GGG	GCT	CGA	GAA	CGG	TTT	GGG	TTT	TCA	CGC	TGC	CAA
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
L	T	R	A	C	N	A	A	R	E	R	F	G	F	S	R	C	Q
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GGG	CCT	CCT	GTT	GAC	GGT	GCT	GCT	GTT	GAG	ACG	ACC	GGC	GCT	GAG	ATA	TGC	ACC
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
G	P	P	V	D	G	A	V	E	T	T	G	A	E	I	C	T	R
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CTT	GGA	TTA	GAG	CCA	GAA	AAT	ACA	ATA	TTA	TAC	TTC	GTG	GTC	ACG	GCA	TTG	TTT
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
L	G	L	E	P	E	N	T	I	L	Y	L	V	V	T	A	L	F
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AAG	GAA	GCC	GTA	TTT	ATG	TGC	AAC	GTG	TTT	CTG	CAT	TAT	GGA	GGA	CTC	GAT	ATT
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
K	E	A	V	F	M	C	N	V	F	L	H	Y	G	G	L	D	I
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GTT	CAT	ATT	AAC	CAT	GGG	GAT	GTT	ATA	CGT	ATA	CCG	TTA	TTT	CCG	GTA	CAA	CTT
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
V	H	I	N	H	G	D	V	I	R	I	P	L	F	P	V	Q	L
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TTT	ATG	CCC	GAT	GTT	AAC	CGT	CTG	GTA	CCC	GAC	CCA	TTC	AAC	ACT	CAT	CAC	AGG
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
F	M	P	D	V	N	R	L	V	P	D	P	F	N	T	H	H	R

FIGURE 6-3	657	666	675	684	693	702
TCT ATC GGA	GAG GGT TTT GTA TAC CCA ACA CCC TTT TAT AAC ACC GGC TTG TGC					
S I G E G F V Y P T P F Y N T G L C						
711	720	729	738	747	756	
CAT TTA ATA CAT GAC TGT GTT ATT GCT CCC ATG GCC GTT GGC TTG CCG GTC AGA						
H L I H D C V I A P M A V A L R V R						
765	774	783	792	801	810	
AAT GTA ACT GCC GTC GGC GGA GCG GCG CAC CTT GCT TTT GAT GAA AAT CAC						
N V T A V A R G A A H L A F D E N H						
819	828	837	846	855	864	
GAG GGG GCA GTA CTC CCC CCT GAC ATT ACG TAC ACG TAT TTT CAG TCC TCT TCA						
E G A V L P P D I T Y T Y F Q S S						
873	882	891	900	909	918	
AGT GGA ACC ACT ACC GGC CGT GGA GCG CCG CGT CGA AAC GAT GTC AAC TCC ACG TCT						
S G T T T A R G A R R N D V N S T S						
927	936	945	954	963	972	
AAG CCT AGC CCA TCG GGG GGG TTT GAA AGA CCG TTG GCG TCT ATT ATG GCC GCT						
K P S P S G G F E R R L A S I M A A						

FIGURE 6-4

981	990	999	1008	1017	1026
GAC ACA GCC	TTG CAC GCA GAA GTT ATA	TTC AAC ACT GGA ATT TAC GAA GAA ACT			
D T A L H A E V I F N T G I Y E E T					
1035	1044	1053	1062	1071	1080
CCA ACA GAT ATC AAA GAA TGG CCA ATG TTT ATA GGC ATG GAG GGC ACT TTG CCA					
P T D I K E W P M F I G M E G T L P					
1089	1098	1107	1116	1125	1134
AGG CTA AAC GCT CTG GGG TCA TAT ACC GCT CGT GTG GCC GCG GTC ATT GGT GCG					
R L N A L G S Y T A R V A G V I G A					
1143	1152	1161	1170	1179	1188
ATG GTT TTC AGC CCA AAT TCT GCG TTG TAT CTA ACT GAG GTG GAG GAT AGC GGG					
M V F S P N S A L Y L T E V E D S G					
1197	1206	1215	1224	1233	1242
ATG ACC GAA GCC AAG GAT GGG GGA CCG GGT CCA TCA TTT AAT CGA TTT TAC CAG					
M T E A K D G G P G P S F N R F Y Q					
1251	1260	1269	1278	1287	1296
TTT GCC GGA CCT CAT TTA GCT GCG AAT CCC CAA ACA GAT CCA GAT GGC CAC GTT					
F A G P H L A A N P Q T D R D G H V					
1305	1314	1323	1332	1341	1350
CTA TCC AGT CAG TCT ACG GGT TCA TCA AAC ACA GAG TTT AGC GTG GAT TAT TTG					
L S S Q S T G S S N T E F S V D Y L					

FIGURE 6-5

1359	1368	1377	1386	1395	1404
GCA CTC ATT TGT GGA TTT GGA GCA CCC CTG TTG GCG CGA CTG CTT TTT TAT CTA					
A L I C C G F G A P L L A R L L F Y L					
1413	1422	1431	1440	1449	1458
GAA CGC TGT GAC GCT GGT GCG TTT ACA GGG GGT CAC GGG GAT GCG TTA AAA TAT					
E R C D A G A F T G G H G D A L K Y					
1467	1476	1485	1494	1503	1512
GTT ACG GGG ACC TTT GAC TCT GAA ATT CCA TGT AGT TTA TGT GAA AAA CAC ACG					
V T G T F D S E I P C S L C E K H T					
1521	1530	1539	1548	1557	1566
CGG CCG GTA TGC GCT CAC ACA ACA GTA CAC CGA CTT AGA CAA CGC ATG CCG CGA					
R P V C A H T T V H R L R Q R M P R					
1575	1584	1593	1602	1611	1620
TTT GGA CAA GCC ACC CGT CAA CCT ATT GGG GTG TTT GGA ACA ATG AAC AGC CAA					
F G Q A T R R Q P I G V F G T M N S Q					
1629	1638	1647	1656	1665	1674
TAT AGC GAC TGC GAT CCT CTA GGA AAC TAT GCT CCA TAT TTA ATC CTT CGA AAA					
Y S D C D P L G N Y A P Y L I L R K					
1683	1692	1701	1710	1719	1728
CCC GGG GAT CAA ACG GAA GCA GCA AAG GCA ACC ATG CAG GAC ACT TAT AGG GCT					
P G D Q T E A A K A T M Q D T Y R A					

FIGURE 6-6

1737	1746	1755	1764	1773	1782
ACA CTA GAA	CGC TTG TTT ATC CTA GAA CAA GAG CGA CTA CTG GAT CGC GGT				
T L E R L F I D L E Q E R L L D R G					
1791	1800	1809	1818	1827	1836
GCC OCA TGT TCT TCC GAG GGA CTA TCG TCCT GTC ATT CTG GAT CAT CCA ACG TTT					
A P C S S E G L S S V I V D H P T F					
1845	1854	1863	1872	1881	1890
CGT CGC ATA TTA GAC ACA CTG CGT GCG CGT ATA GAA CAG ACA ACA CAA TTT					
R R I L D T L R A R I E Q T T Q F					
1899	1908	1917	1926	1935	1944
ATG AAA GTG TTG GTT GAG ACC CGC GAT TAT AAG ATC CGT GAA GGA TTA TCC GAA					
M K V L V E T R D Y K I R E G L S E					
1953	1962	1971	1980	1989	1998
GCC ACC CAT TCA ATG GCG TTA ACG TTT GAT CCA TAC TCA GGA GCA TTT TGT CCC					
A T H S M A L T F D P Y S G A F C P					
2007	2016	2025	2034	2043	2052
ATT ACC AAT TTT TTA GTT AAA CGA ACA CAC CTA GCC GTG GTA CAA GAC TTA GCA					
I T N F L V K R T H L A V V Q D L A					

FIGURE 6-7

2061	2070	2079	2088	2097	2106
TTA AGC CAA TGT CAT TGT GTA TTT TAC GGA CAG CAA GTT GAG GGG CCG AAC TTT					
L S Q C H C V F Y G Q Q V E G R N F					
2115	2124	2133	2142	2151	2160
CGT AAC CAA TTC CAA CCT GTT TTG CCG CGG CGT TTT GTT GAC CTG TTT AAT GGG					
R N Q F Q P V L R R R F V D L F N G					
2169	2178	2187	2196	2205	2214
GGG TTT ATA TCA ACA CGC TCT ATA ACC GTA ACA TTA TCT GAA GGT CCT GTA TCC					
G F I S T R S I T V T L S E G P V S					
2223	2232	2241	2250	2259	2268
GCC CCA AAT CCG ACA TTG GGA CAA GAC GCG CCC GCG GGG CGT ACC TTT GAT GGG					
A P N P T L L G Q D A P A G R T F D G					
2277	2286	2295	2304	2313	2322
GAT TTA GCG CCG GTA AGC GTG GAA GTT ATT CCG GAT ATA CGA GTT AAA AAT AGG					
D L A R V S V E V I R D I R V K N R					
2331	2340	2349	2358	2367	2376
GTC GTT TTT TCA GGT AAC TGT ACA AAT CTC TCT GAG GCA GCC CCG GCA AGG CTT					
V V F S G N C T N L S E A A R A R L					
2385	2394	2403	2412	2421	2430
GTA GGC CTT GCA AGT GCG TAC CAA CGC CAA GAA AAA AGA GTG GAT ATG TTA CAC					
V G L A S A Y Q R Q E K R V D M L H					

FIGURE 6-8

2439	2448	2457	2466	2475	2484
GGG GCC CTA GGG TTT TTG CTT AAA CAG TTT CAC GGC CTG TTA TTT CCT CGG GGT					
G A L G G F L L K Q F H G L L F P R G					
2493	2502	2511	2520	2529	2538
ATG CCA CCA AAC AGT AAA TCC CCC AAC CCG CAG TGG TTT TGG ACC CTG TTA CAA					
M P P N S K S P N P Q W F W T L L Q					
2547	2556	2565	2574	2583	2592
CGC AAC CAG ATG CCG GCA GAT AAA CTT ACA CAC GAA GAG ATT ACC ACT ATT GCA					
R N Q M P A D K L T H E E I T I A					
2601	2610	2619	2628	2637	2646
GCT GTT AAA CCG TTT ACC GAG GAA TAT GCA GCA ATA AAC TTT ATT AAT CTA CCC					
A V K R F T E E Y A A I N F I N L P					
2655	2664	2673	2682	2691	2700
CCA ACC TGC ATA GGA GAA TTA GCC CAG TTT TAT ATG GCA AAT CTT ATT CTT AAA					
P T C I G E L A Q F Y M A N L I L K					
2709	2718	2727	2736	2745	2754
TAC TGC GAT CAT TCA CAG TAC CTT ATA AAT ACC TTA ACT TCT ATA ATT ACG GGT					
Y C D H S Q Y L I N T L T S I I T G					

FIGURE 6-9

2763	2772	2781	2790	2799	2808
GCC AGG CGC CCG CGT GAC CCA TCA TCC GTT TTG CAT TGG ATT CGT AAA GAT GTC					
A R R P R D P S S V L H W I R K D V					
2817	2826	2835	2844	2853	2862
ACG TCC GCC GCG GAC ATA GAA ACC CAA GCA AAG GCG CTT CTT GAA AAA ACG GAA					
T S A A D I E T Q A K A L L E K T E					
2871	2880	2889	2898	2907	2916
AAC TTA CCG GAA TTA TGG ACT ACG GCT TTT ACT TCA ACT CAT TTA GTC CGC GCG					
N L P E L W T T A F T S T H L V R A					
2925	2934	2943	2952	2961	2970
GCC ATG AAT CAA CGT CCC ATG GTC GTT TTA GGA ATA AGC ATT AGT AAA TAT CAC					
A M N Q R P M V V L G I S I S K Y H					
2979	2988	2997	3006	3015	3024
GGA GCG GCA GGA AAC AAC CGC GTC TTT CAG GCA GCG AAT TCG AGC GGT TTA AAC					
G A A G N N R V F Q A G N W S G L N					
3033	3042	3051	3060	3069	3078
GGG GGT AAA AAT GTA TGC CCG CTA TTT ACA TTT GAT CGC ACT CGC CGT TTT ATA					
G G K N V C P L F T F D R T R R F I					
3087	3096	3105	3114	3123	3132
ATA GCA TGT CCT AGA GGA GGT TTT ATC TGC CCC GTA ACA GGT CCC TCG TCG GGA					
I A C P R G G G F I C P V T G P S S G					

FIGURE 6-10

3141	3150	3159	3168	3177	3186
AAT CGA GAA ACC ACC CTA TCC GAC CAA GTT CGC GGT ATA ATT GTC AGT GGC GGG					
N R E T T L S D Q V R G I I V S G G					
3195	3204	3213	3222	3231	3240
GCC ATG GTT CAA TTA GCC ATA TAC GCC ACG GTT GTG CGT GCA GTG GGC GGT CGA					
A M V Q L A I Y A T V R A V G A R					
3249	3258	3267	3276	3285	3294
GCA CAA CAT ATG GCA TTT GAC GAC TGG TTA AGT CTT ACA GAC GAT GAG TTT TTA					
A Q H M A F D D W L S L T D D E F L					
3303	3312	3321	3330	3339	3348
GCC AGA GAC TTG GAG GAG TTA CAC GAC CAG ATT ATC CAA ACC CTG GAA ACG CCC					
A R D L E E L H D Q I I Q T L E T P					
3357	3366	3375	3384	3393	3402
TGG ACC GTA GAA GGC GCT CTA GAA GCA GTA AAG ATT CTA GAT GAA AAA ACG ACA					
W T V E G A L E A V K I L D E K T T					
3411	3420	3429	3438	3447	3456
GCG GGA GAT GGG GAA ACC CCC ACA AAC CTA GCA TTT AAT TTT GAT TCT TGT GAA					
A G D G E T P T N L A F N F D S C E					

FIGURE 6-11

3465	3474	3483	3492	3501	3510
CCA AGC CAT GAC ACC ACA TCT AAC GTA TTA AAC ATT TCA GGG TCA AAC ATT TCA					
P S H D T T S N V L N I S G S N I S					
3519	3528	3537	3546	3555	3564
GGG TCA ACT GTC CCT GGT CTT AAA CGA CCC CCC GAA GAT GAC GAA CTC TTT GAT					
G S T V P P G L K R P P E D D E L F D					
3573	3582	3591	3600	3609	
CTT AGT GGT ATT CCC ATA AAA CAT GGG AAC ATT ACA ATG GAA ATG A 3'					
L S G I P I K H G N I T M E M					